



PATENT  
5181-84400/P5958

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Smith et al.

Serial No. 09/841,912

Filed: April 24, 2001

For: SYSTEM AND METHOD FOR  
DETERMINING THE REQUIRED  
DECOUPLING CAPACITORS  
FOR A POWER DISTRIBUTION  
SYSTEM USING AN IMPROVED  
CAPACITOR MODEL

§ Group Art Unit: 2123  
§ Examiner: Unknown

§ Atty. Dkt. No. 5181-84400

§ I hereby certify that this correspondence is being deposited with the  
§ U.S. Postal Service as First Class Mail in an envelope addressed to:  
§ Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-  
§ 1450, on the date indicated below:

§ B. Noel Kivlin  
§ Registered Representative  
§ 11-20-03 \_\_\_\_\_  
§ Date \_\_\_\_\_  
§ Signature \_\_\_\_\_

**RECEIVED**

NOV 28 2003

Commissioner for Patents  
Washington, D.C. 20231

Technology Center 2100

Sir:

Applicant requests consideration of  the references listed on the attached Form PTO-1449 and/or  the additional information identified below in paragraph 3. A copy of each reference listed on the Form PTO-1449 is enclosed.

1. This Information Disclosure Statement is submitted:

- a.  within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);  
 within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;  
 before the mailing date of a first Office Action on the merits; or  
 before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.
  
- b.  after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus:  the certification of paragraph 2 below is provided, or  a fee of \$180.00 is enclosed.

c.  after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.

2. It is hereby certified:

that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.

3.  Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:

4. For each non-English language reference listed on the attached Form PTO-1449:

reference is made to an English language translation submitted herewith, and/or

reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or

reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or

reference is made to the concise explanation contained in the specification of the present application at page(s) \_\_\_\_\_, and/or

reference is made to the concise explanation set forth below:

5.  Applicant also offers the following comments for the Examiner's consideration:

6.  Also enclosed is a copy of a foreign search report citing these references.

7.  The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.

8.  Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

If any required fees are missing, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5181-84400.

Respectfully submitted,



B. Noël Kivlin  
Reg. No. 33,929  
Attorney for Applicant(s)

MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C.  
P. O. Box 398  
Austin, Texas 78767  
(512) 853-8800  
Date: 11-20-03

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DKT. NO. 5181-84400 APPLICANT: Smith et al. FILING DATE: April 24, 2001			SERIAL NO. 09/841,912 GROUP: 2123		
<b>U.S. PATENT DOCUMENTS</b>								
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE APPROPRIATE	
<b>FOREIGN PATENT DOCUMENTS</b>								
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO	
	C1	99/66554	12/23/99	WO				
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	C2	International search report application number PCT/US02/12707 mailed September 24, 2003						
	C3	"High Frequency Model for Power Electronics Capacitors", Siami, et al, <u>IEEE Transactions on Power Electronics</u> , March 2001, IEEE, US, Vol 16, No. 2, pages 157-166.						
	C4	"A Study of the High Frequency Performance of Thin Film Capacitors for Electronic Packaging", Chen, et al, <u>IEEE Transactions on Advanced Packaging</u> , May 2000, IEEE, US, Vol 23, No. 2, pages 293-302.						
	C5	"A High Frequency Model Based on the Physical Structure of the Ceramic Multilayer Capacitor", de Vreede, et al, <u>IEEE Transactions on Microwave Theory and Techniques</u> , July 1992, IEEE, US, Vol 40, No. 7, pages 1584-1587.						
	C6	"Distributed SPICE Circuit Model for Ceramic Capacitors", Smith, et al, <u>2001 Proceedings, 51<sup>st</sup> Electronic Components and Technology Conference 2001</u> , Orlando, FL, May 29-June 1, 2001, pages 523-528						

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.